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CONTRACT: DN00559 TIP: R-5794C PROJECT: 44910.3.5

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5794C	1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
44910.3.5		CONST.	

DIVISION 14 DISTRICT THREE

LOCATION: ***CHEROKEE, GRAHAM, MACON COUNTIES***

TYPE OF WORK: ***GRADING, CONCRETE SIDEWALK, CONCRETE ADA RAMPS, PAVEMENT MARKING, TRAFFIC CONTROL***

MAP 1 Page 4

INTERSECTION OF SR 1689 5th ST & HORSE COVE RD, HIGHLANDS, MACON COUNTY

MAP 2 Page 5

INTERSECTION OF SR 1324 LAKESIDE DR & WATAUGA ST, FRANKLIN, MACON COUNTY

MAP 3 Page 6

INTERSECTION OF US 441 & SR 1325 LAKE EMORY, FRANKLIN, MACON COUNTY

MAP 4 Page 7–16

ON US BUS 19 FROM SR 1618 WHITAKER LN TO WALNUT ST, ANDREWS, CHEROKEE COUNTY

MAP 5 Page 17

INTERSECTION OF US BUS 19 VALLEY RIVER AVE & CENTRAL ST, MURPHY, CHEROKEE COUNTY

MAP 6 Page 18

INTERSECTION OF US BUS 19 VALLEY RIVER AVE & MOORELAND HEIGHTS ST, MURPHY, CHEROKEE COUNTY

MAP 7 Page 19

INTERSECTION US BUS 19 VALLEY RIVER AVE AT CLOE MOORE DR, MURPHY, CHEROKEE COUNTY

MAP 8 Page 20–24

INTERSECTION OF US 64 BUS & SR 1309 HIAWASSE ST, HAYESVILLE, CLAY COUNTY

MAP 9 Page 25

INTERSECTION OF NC 143 BUS N MAIN ST & SR 1117 MOOSE BRANCH, HIGH SCHOOL ENTERANCE, ROBBINSVILLE, GRAHAM COUNTY

MAP 10 Page 26–30

INTERSECTION OF SR 1689 5th ST & HORSE COVE RD TO ROAD CHANGES TO PIERSON ST, HIGHLANDS, MACON COUNTY

GRAPHIC SCALES

25 12.5 0 25 50
PLANS

PROJECT LENGTH

TOTAL LENGTH STATE PROJECT = VARIES

Prepared In the Office of:
DIVISION OF HIGHWAYS
191 Robbinsville Rd., Andrews, NC 28901

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: 08/31/2017

LETTING DATE: 12/12/2017

JESSE A RUSSELL, P.E.
PROJECT ENGINEER

ALAN R BROWN
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

P.E.
SIGNATURE:

ROADWAY DESIGN ENGINEER

P.E.
SIGNATURE:

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION ·

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	1-A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012

1 CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

2 THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.

LIST OF ROADWAY STANDARDS

2012 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
DIVISION 2 - EARTHWORK	
225.02	Guide for Grading Subgrade- Secondary and Local
200.02	Method Of Clearing - Method II
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
848.03	Driveway Turnou - Drop Curb Type
848.04	Street Turnout
848.05	Curb Ramp - Proposed Curb and Gutter
848.06	Curb Ramp - Existing Curb and Gutter
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.01	Work ZOne Advance Waring Signs
1101.02	Temporary Lane Closures
1101.03	Temporary Road Closures
1101.04	Temporary Shoulder Closures
1110.02	Portable Work Zone Signs
1130.01	Drum
1135.01	Cones
1150.01	Flagging Devices
1130.01	Drum
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	Pavement Markings - Line Types and Offsets
1205.07	Pavement Markings - Pedestrian Crosswalks
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1632.02	Rock Inlet Sediment Trap Type B
1632.03	Rock Inlet Sediment Trap Type C

12/05/11

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	1-B

Note: Not to Scale

****S.U.E. = Subsurface Utility Engineering***

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — ECM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign — S
- Well — W
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

RIGHT OF WAY:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line — RW
- Proposed Right of Way Line with Iron Pin and Cap Marker — RW
- Proposed Right of Way Line with Concrete or Granite R/W Marker — RW
- Proposed Control of Access Line with Concrete C/A Marker — CA
- Existing Control of Access — CA
- Proposed Control of Access — CA
- Existing Easement Line — E
- Proposed Temporary Construction Easement — E
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Drainage / Utility Easement — DUE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Booth
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

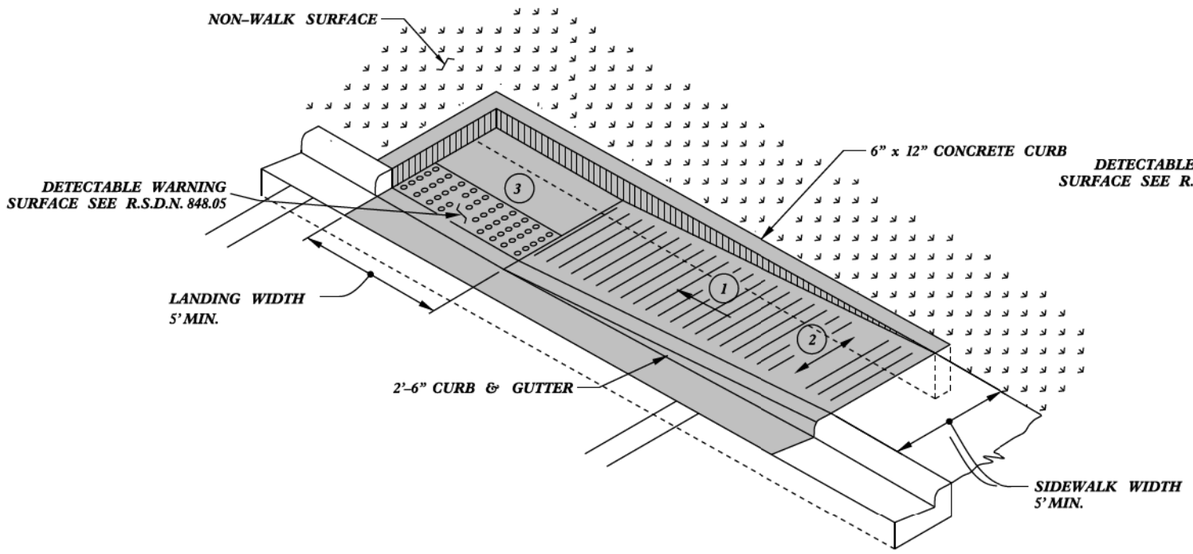
- Sanitary Sewer Manhole
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — ?UTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	2A



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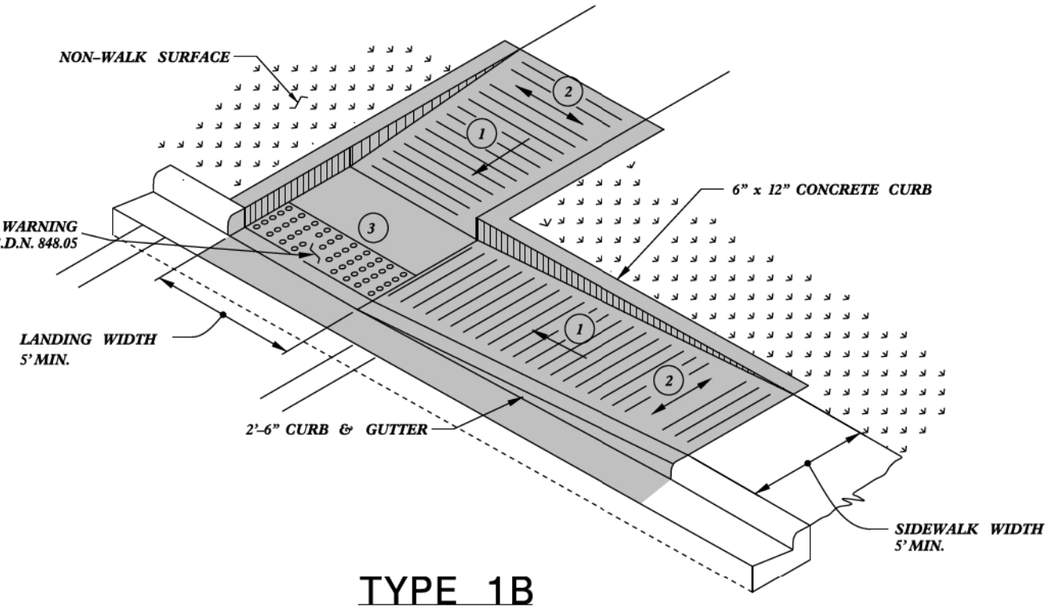

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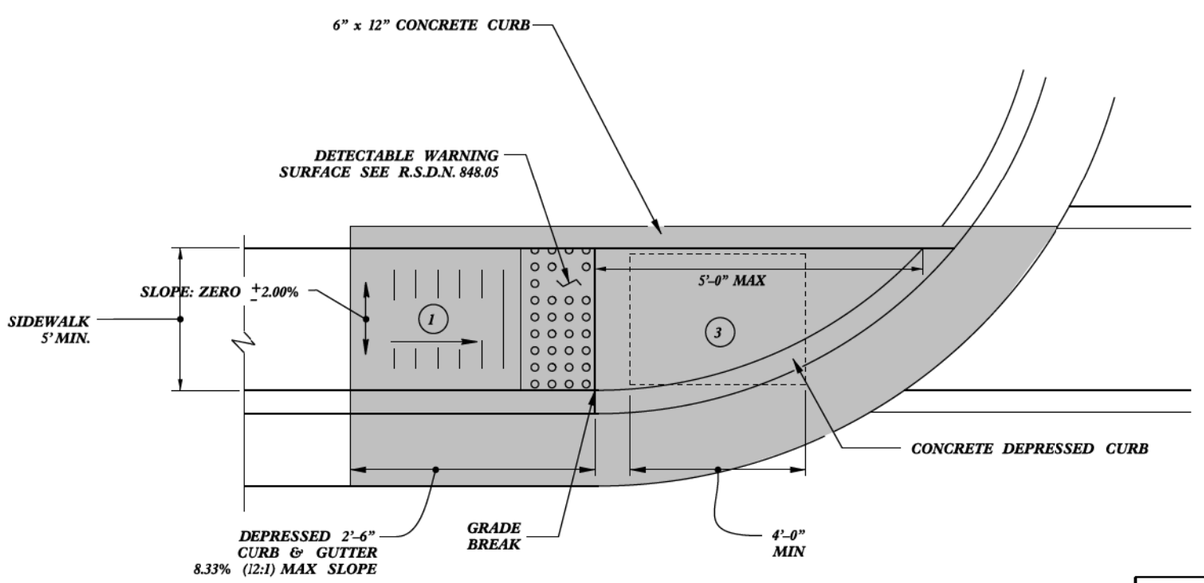


TYPE 1

PAY LIMITS FOR 1 CURB RAMP

(1) *8.33% (12:1) MAX RAMP SLOPE*

(2) *CROSS SLOPE: 2.00%*

(3) *CURB RAMPS REQUIRE A (4'–0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.*

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER Joel S. Howerton

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

Directional Ramps

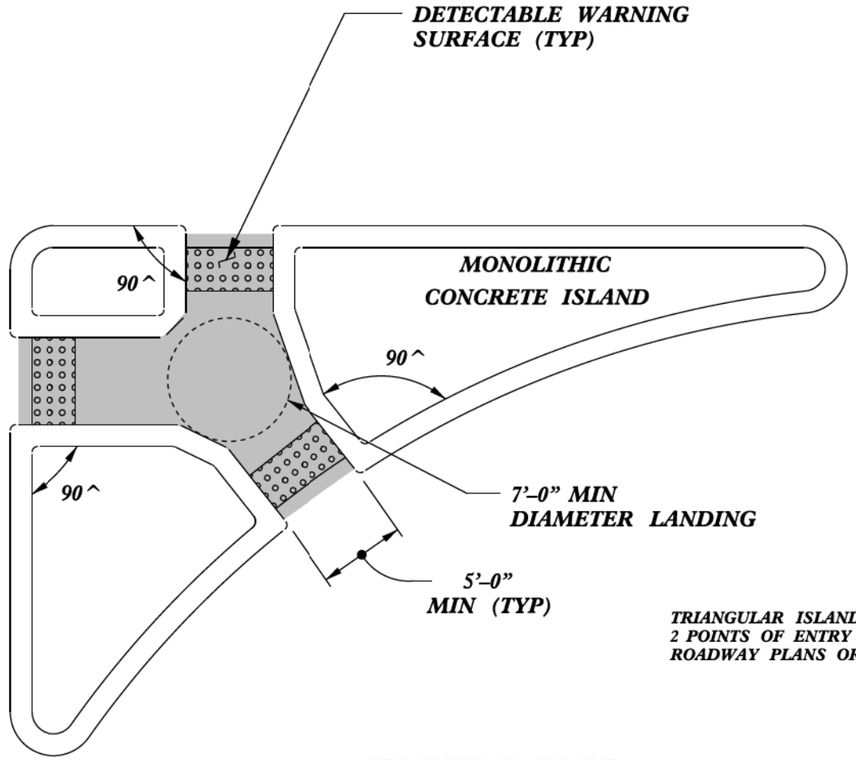
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC. =stds/2012CurbRamp/CurbRampDetails.dgn

$$$$USERNAME$$$$
$$$$SYSTIME$$$$

5/14/99

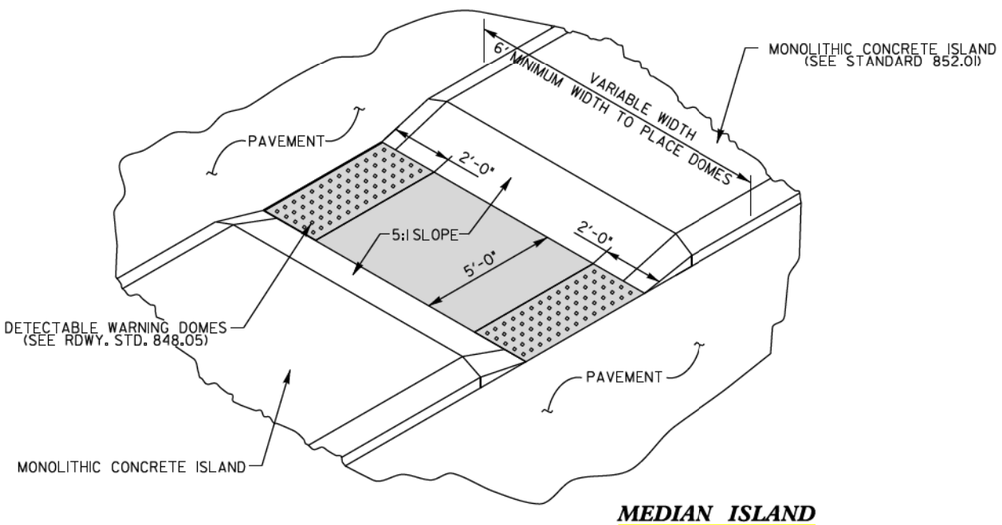
PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	2B

PAY LIMITS FOR 2 OR 3 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)

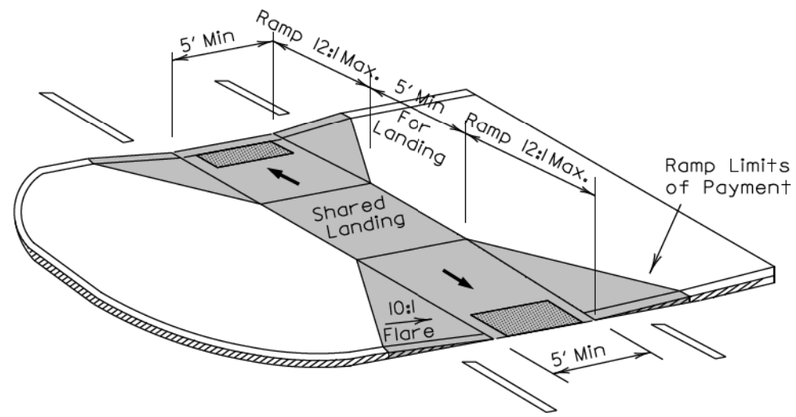


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH



MEDIAN ISLAND WITH CUT THROUGH



MEDIAN ISLAND CURB RAMPS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER Joel S. Howerton

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

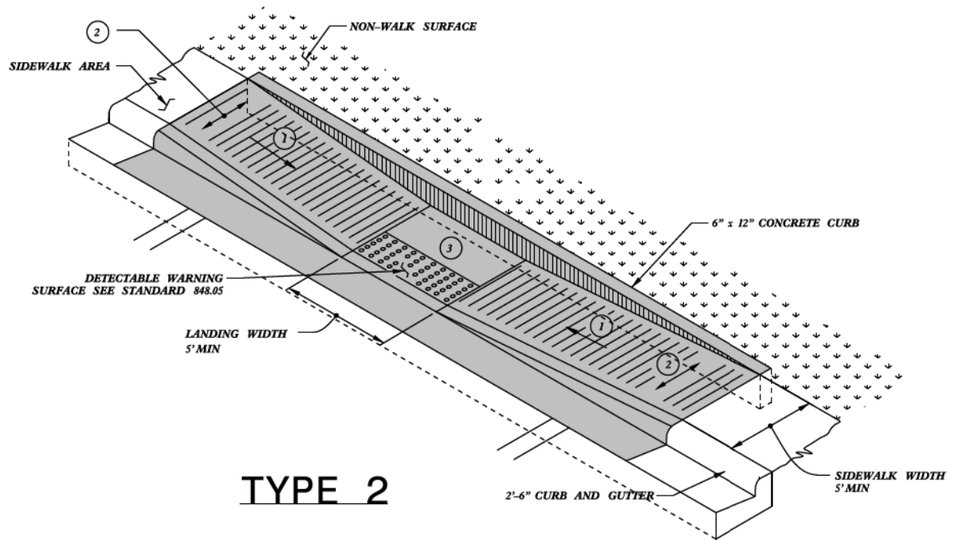
Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn

$$$$$$$$SYSTIME$$$$$$$$
$$$$$$$$USERNAME$$$$$$$$

5/14/99

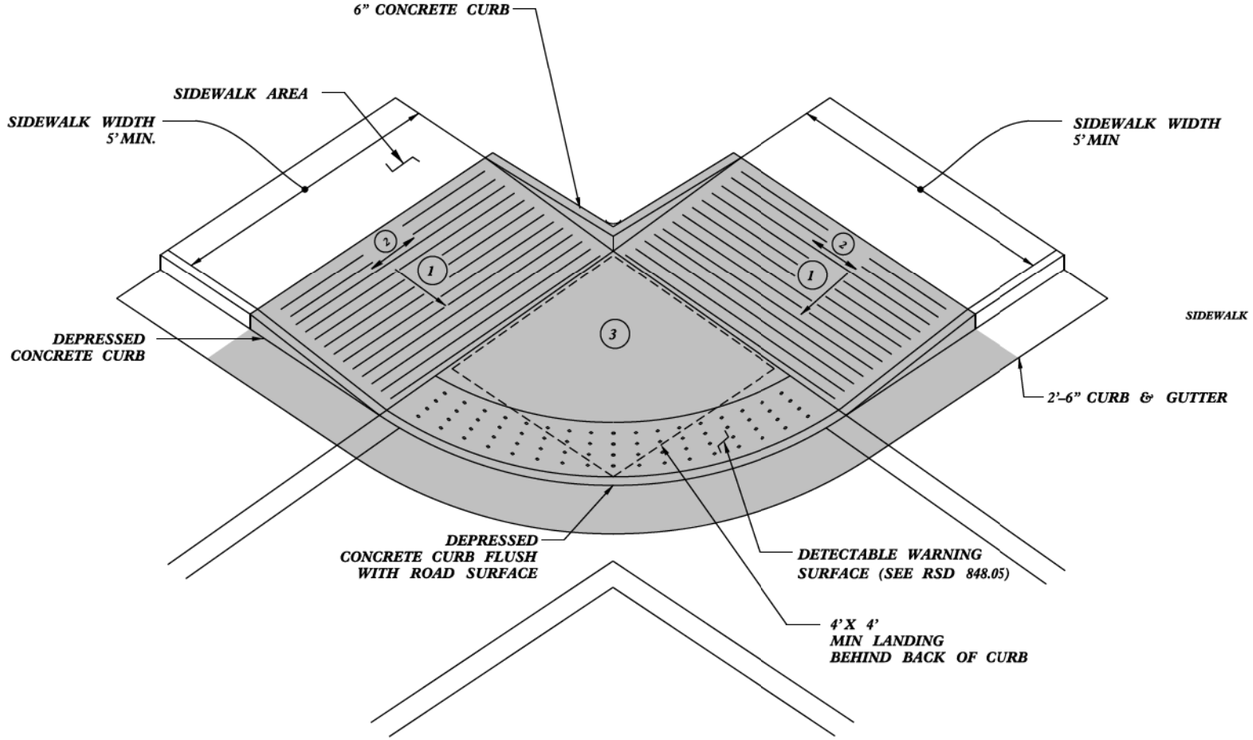
PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	2C



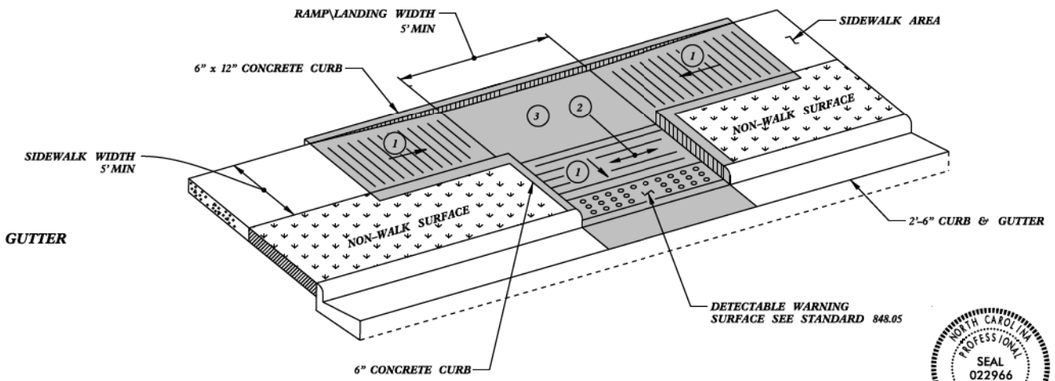
TYPE 2

PAY LIMITS FOR 1 CURB RAMP

1. *8.33% (12:1) MAX RAMP SLOPE*
2. *CROSS SLOPE: 2.00%*
3. *CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.*



TYPE 2A



TYPE 3

NORTH CAROLINA PROFESSIONAL SEAL 022966 ENGINEER Joel S. Howerton

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

Parallel Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
WBS#: 44910.3.5	4
ROADWAY DESIGN ENGINEER	

MAP 1

NC GRID
NAD 83/2001

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS.

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

TYPE 1 CURB RAMP STD 848.06

Horse Cove Rd.
SR 1603

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 848.01
STD 846.01

5th St
SR 1689

RAISE EXISTING VALVE BOX
TO BE FLUSH WITH PROPOSED SIDEWALK

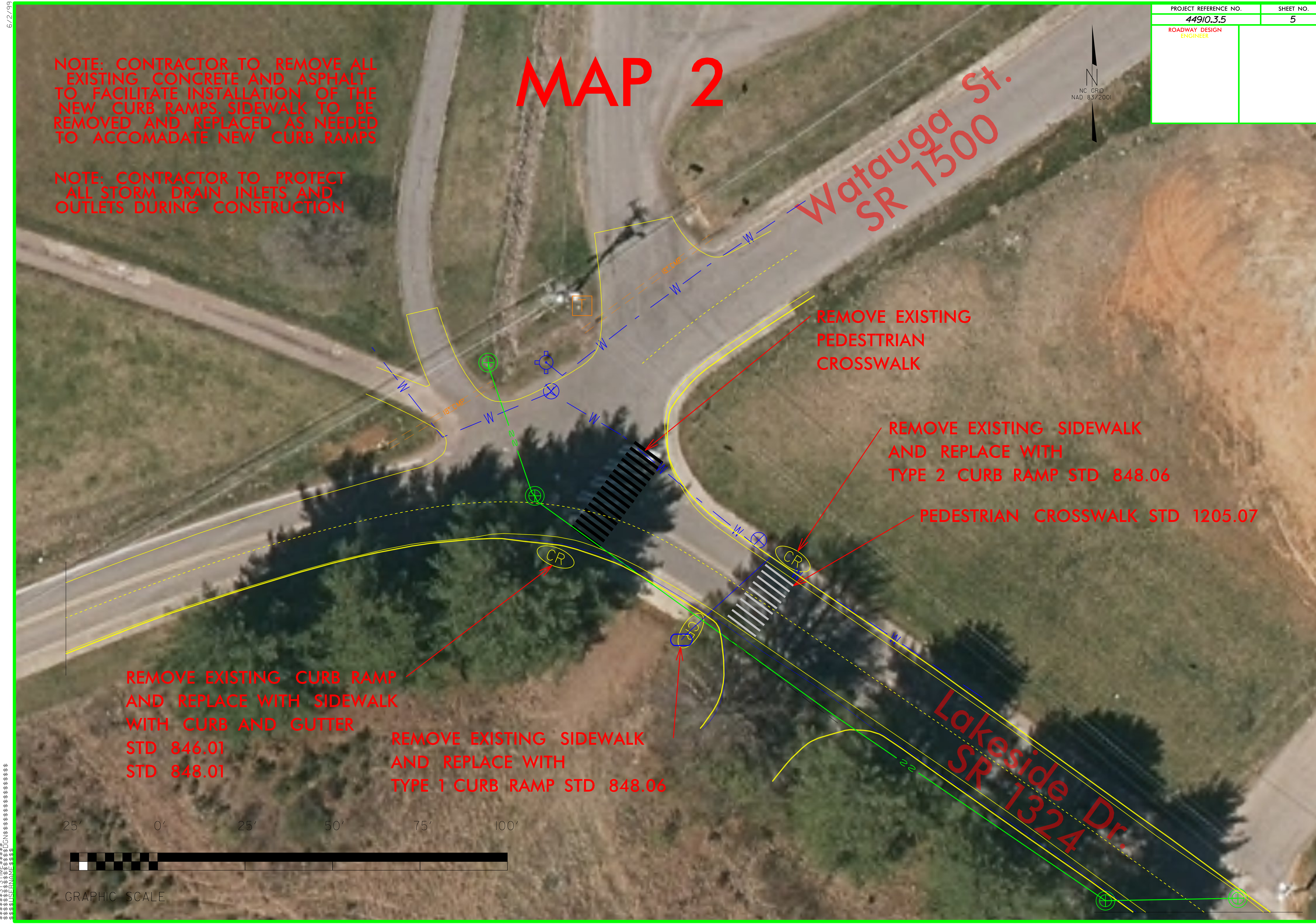
TYPE 1 CURB RAMP STD 848.06

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$
$$$$$$$$DGNS$$$$$$$$$$$$$$$$$$$$
$$$$$$$$USERNAME$$$$

6/2/99



$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	6
ROADWAY DESIGN ENGINEER	

MAP 3

NC GRID
NAD 83/2001

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

Lake Emory Rd.
SR 1325

PEDESTRIAN CROSSWALK
STD 1205.07

TYPE 1A CURB RAMP
STD 848.06

TYPE 2A CURB RAMP
STD 848.06

TYPE 1 CURB RAMP
STD 848.06

PROPOSED SIDEWALK WITH
CURB AND GUTTER
STD 848.01 & STD 846.01

TYPE 2 CURB RAMP
STD 848.06

REMOVE AND REPLACE
EXISTING
SIDEWALK
CURB AND GUTTER
STD 848.01 & STD 846.01

US 441 Bus

PROPOSED SIDEWALK WITH
CURB AND GUTTER
STD 848.01 & STD 846.01

NOTE:BACKFILL
5FT SIDEWALK WITH
APPROVED MATERAIL
36.0cy OF MATERIAL WILL
BE USED TO BE PAID
UNDER
L.S. GRADING

SIGNAL PULL BOX SHALL
BE PLACED AND SET BEFORE
PROPOSED SIDEWALK IS INSTALLED.
SIGNAL PULL BOX SHALL BE FLUSH
WITH PROPOSED SIDEWALK.

MEDIAN ISLAND
WITH CUT THROUGH

PEDESTRIAN CROSSWALK STD 1205.07

TYPE 1 CURB RAMP STD 848.06

Old Cat Creek Rd.
SR 1510

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$$SYSTIME$$$$$$
$$$$$$$USERNAME$$$$$$
$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 4

NC GRID
NAD 83/2001

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 846.01
STD 848.01

U.S. 19 Bus

BEGIN MAP 4

SEE PAGE 8

PEDESTRIAN
CROSSWALK STD
1205.07

Whitaker Ln
SR 1618

TYPE 2A CURB RAMP
STD 848.06

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 846.01
STD 848.01

CURB RAMP STD 848.06

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 846.01
STD 848.01

CURB RAMP STD 848.06

PEDESTRIAN CROSSWALK
STD 1205.07

TYPE 1 CURB RAMP
STD 848.02

NOTE:BACKFILL
5FT SIDEWALK WITH APPROVED
MATERAIL
12.0CY OF
L.S. GRADING

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$SYSTIME$$$$$$
$$$$$$USERNAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 4

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

NC GRID
NAD 83/2001

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

30" RCP

PROPOSED SIDEWALK ALONG WITH CURB & GUTTER
STD 846.01
STD 848.01

U.S. 19 Bus

SEE PAGE 7

SEE PAGE 9

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$USERNAME$$$$
$$$$DGN$$$$
$$$$SYSTIME$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	9
FED. AID PROJ. NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 4

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

NC GRID
NAD 83/2001

PROPOSED DTO
STD 848.02

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 848.01
STD 846.01

TYPE 1 CURB RAMP
STD 848.02

REMOVE EXISTING
SIDEWALK

TYPE 1 CURB RAMP
STD 848.02

U.S. 19 Bus

24" RCP

SEE PAGE 8

SEE PAGE 10

TYPE 1 CURB RAMP
STD 848.02

REMOVE AND REPLACE
APPROX 75' OF SIDEWALK
& CURB & GUTTER
STD 846.01
STD 848.01

PROPOSED DTO
STD 848 02

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$SYSTIME$$$$$$
$$$$$$$USERNAME$$$$$$
$$$$$$$FILENAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 4

NC GRID
NAD 83/2001

PROPOSED DTO
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

REMOVE
EXISTING
SIDEWALK

18" RCP

18" RCP

15" RCP

15" RCP

U.S. 19 Bus

SEE PAGE 9

SEE PAGE 11

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

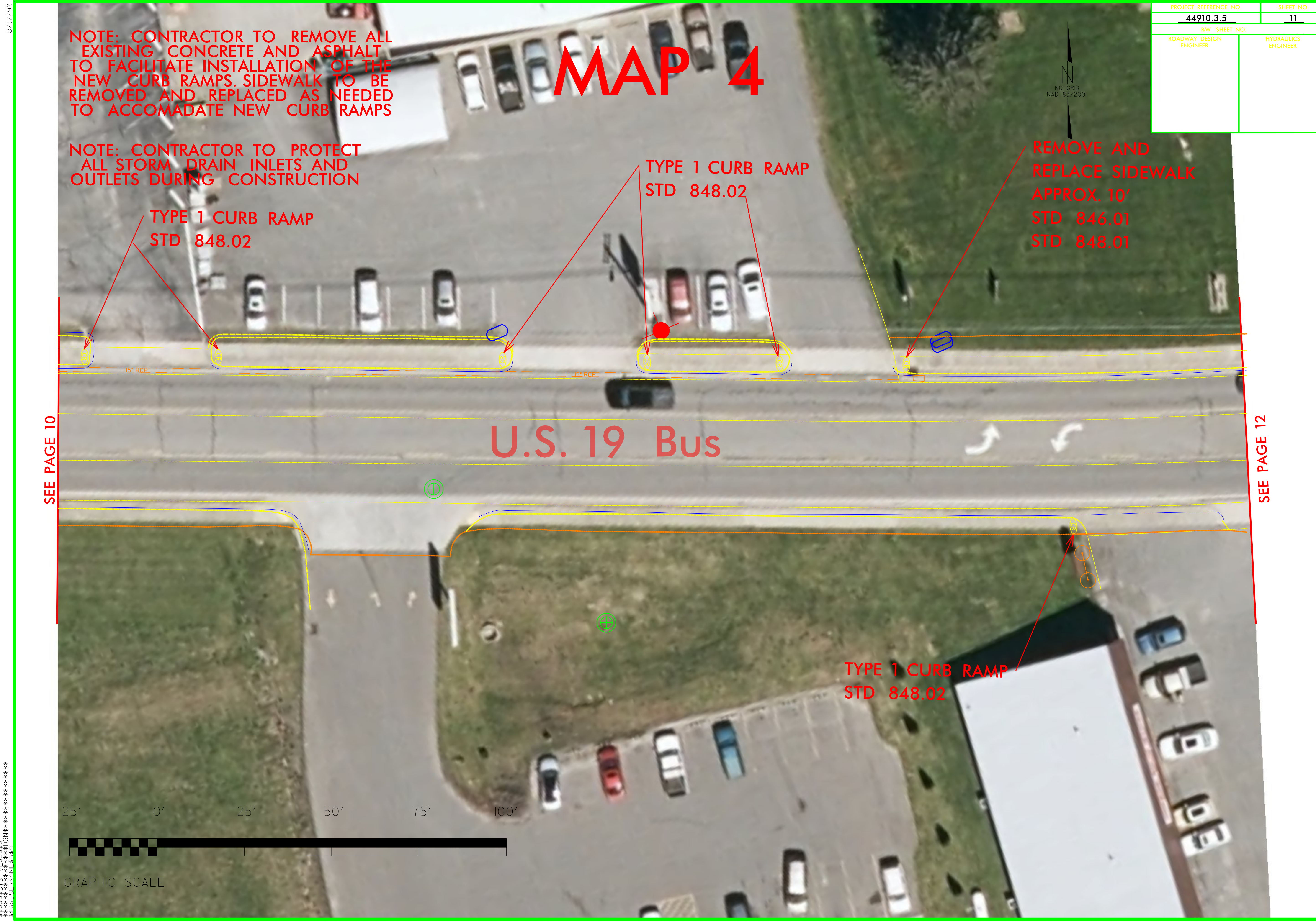
TYPE 1 CURB RAMP
STD 848.02

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$SYSTIME$$$$$$
$$$$$$USERNAME$$$$$$

8/17/99



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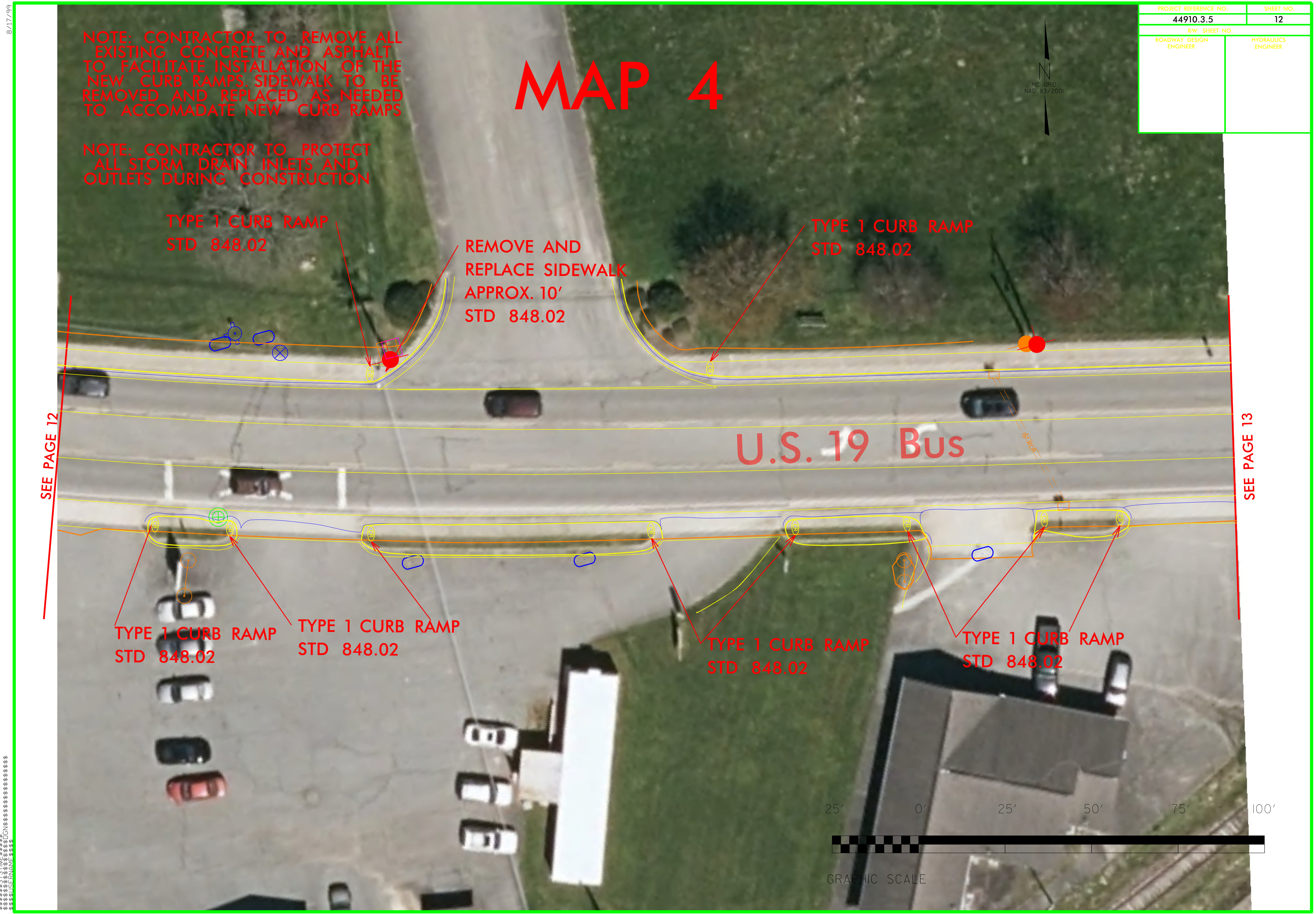
8/17/99



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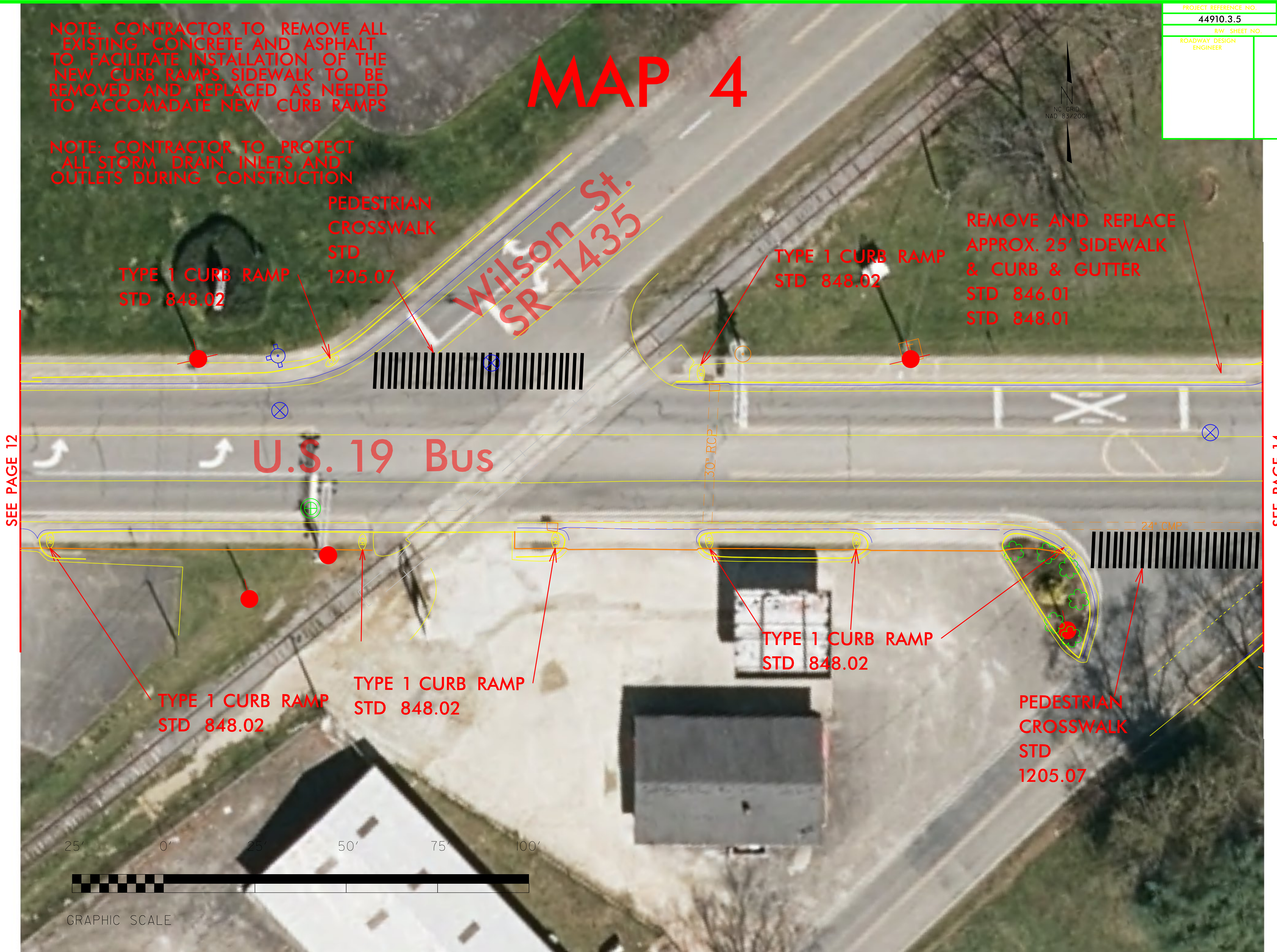
$$$$USERNAME$$$$

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8/17/99

$$$$SYSTIME$$$$
$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

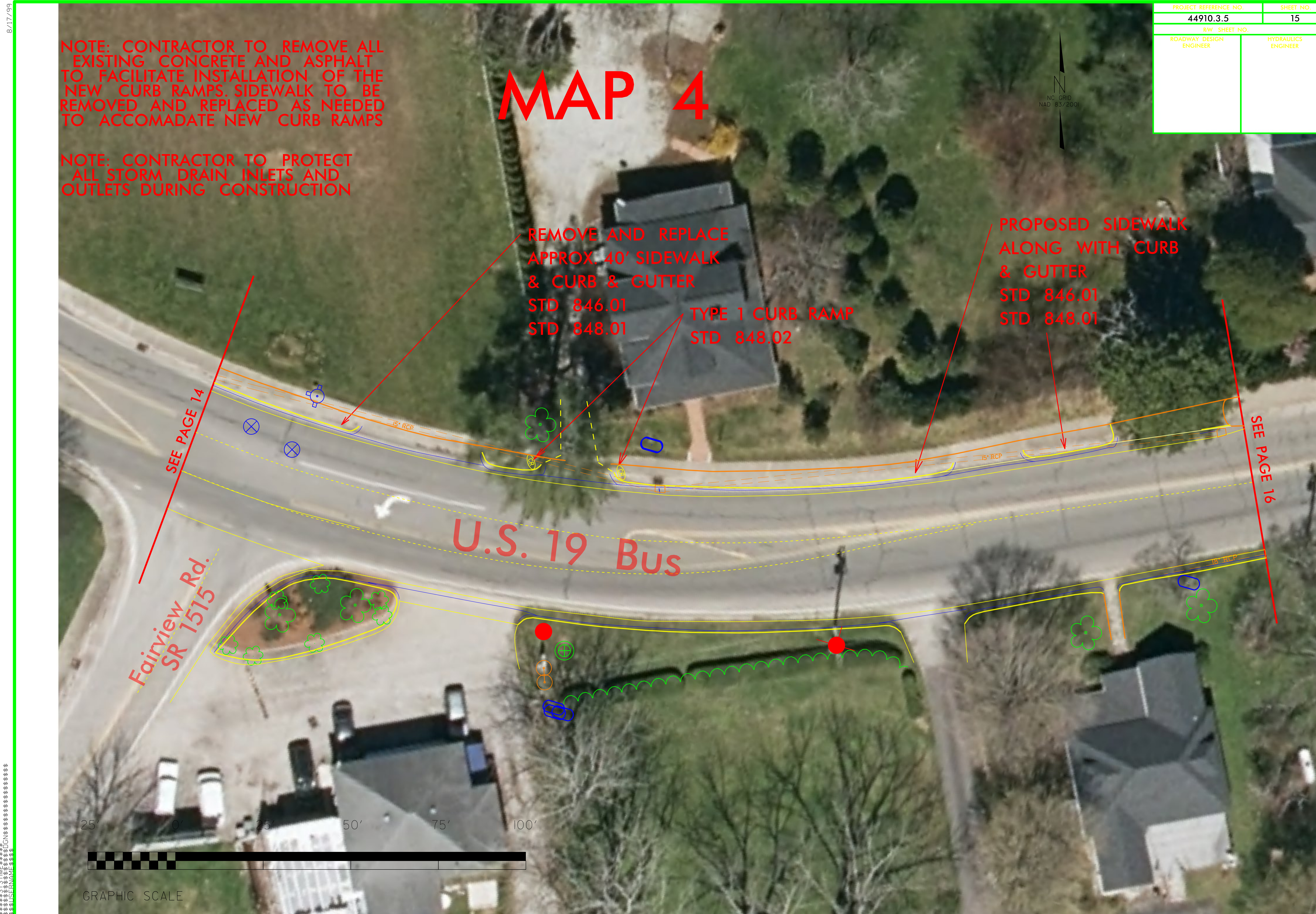
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS
NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION
MAP 4
NC GRID
NAD 83/2001
PROPOSED DTO
STD 848.02
PROPOSED DTO
STD 848.02
TYPE 1 CURB RAMP
STD 848.02
U.S. 19 Bus
SEE PAGE 13
SEE PAGE 15
CR
EXISTING CURB RAMP
PEDESTRIAN CROSSWALK STD 1205.07
TYPE 1 CURB RAMP
STD 848.02
TYPE 1 CURB RAMP
STD 848.02
TYPE 1 CURB RAMP
STD 848.02
25′ 0′ 25′ 50′ 75′ 100′
GRAPHIC SCALE

$$$$SYSTIME$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

8/17/99



$$$$SYSTIME$$$$
$$$$DGN$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 4

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

PROPOSED DTO
STD 848.02

TYPE 1 CURB RAMP
STD 848.02

U.S. 19 Bus

SEE PAGE 15

END MAP 10

NC GRID
NAD 83/2001

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$USERNAME$$$$ $$$$DGN$$$$ $$$$CYCTIME$$$$

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	17
ROADWAY DESIGN ENGINEER	

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 5

NC GRID
NAD 83/2001

REMOVE EXISTING CROSSWALK LINES

PROPOSED 4 IN. SIDEWALK STD 848.01

TYPE 1 CURB RAMP STD 848.06

U.S. BUS 19

EXISTING 36" RCP

EXISTING 30" RCP

Central St

TYPE 2 CURB RAMP STD 848.06

PEDESTRIAN CROSSWALK STD 1205.07

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$$$
$$$$$$$$SYSJOBNUM$$$$$$$$$$$$$$$$$$$$
$$$$$$$$USERNAME$$$$

6/2/99

$$$$$SYSTIME$$$$
$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
449101.3.5	19
ROADWAY DESIGN ENGINEER	

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 7

NC GRID NAD 83/2001

PEDESTRIAN CROSSWALK STD 1205.07

TYPE 1 CURB RAMP STD. 848.06

U.S. BUS 19

Cloe Moore Dr.

TYPE 1 CURB RAMP STD. 848.06

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$SYSTIME$$$$$$
$$$$$$SYSDATE$$$$$$
$$$$$$FILENAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	20
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 8

N
NC GRID
NAD 83/2001

NOTE: LEAVE EXISTING CURB RAMPS ALONG WITH APPROX. 10 FT OF SIDEWALK

BEGIN MAP 8

SEE PAGE 21

Hiawasse St.
SR 1309

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$$$FILENAME$$$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	21
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 8

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

N
NC GRID
NAD 83/2001

SEE PAGE 20

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

Hiawasse St.
SR 1309

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

SEE PAGE 22

NOTE: LEAVE EXISTING CURB RAMPS ALONG WITH APPROX. 10 FT OF SIDEWALK

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$$SYSTIME$$$$$$$
$$$$$$$SYSDATE$$$$$$$
$$$$$$$USERNAME$$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	22
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NC GRID
NAD 83/2001

MAP 8

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

SEE PAGE 21

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

Hiawasse St.
SR 1309

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

SEE PAGE 23

NOTE: LEAVE EXISTING CURB RAMPS ALONG WITH APPROX. 10 FT OF SIDEWALK

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$$SYSTIME$$$$$
$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$$USERNAME$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	23
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 8

N
NC GRID
NAD 83/2001

SEE PAGE 23

SEE PAGE 25

Hiawasse St.
SR 1309

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

NOTE: LEAVE EXISTING CURB RAMPS ALONG WITH APPROX. 10 FT OF SIDEWALK

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$SYSTIME$$$$$$
$$$$$$DGNNAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	24
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 8

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

N
NC GRID
NAD 83/2001

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

REMOVE 4 FT SIDEWALK & REPLACE WITH 5 FT SIDEWALK STD 848.01

PROPOSED 5' SIDEWALK W/6" CURB STD 848.01 STD 846.01

Hiawasse St.
SR 1309

TYPE 1A CURB RAMP STD 848.02

TYPE 2A CURB RAMP STD 848.02

SEE PAGE 23

TIE IN SLOPE WITH UNCLASSIFIED MATERIAL TO PROPOSED SIDEWALK

BUS 64

END MAP 8

PEDESTRIAN CROSSWALK STD 1205.07

NOTE: LEAVE EXISTING CURB RAMPS ALONG WITH APPROX. 10 FT OF SIDEWALK

REMOVE AND REPLACE SIDEWALK 85.0 LF STD 848.01

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$$$USERNAME$$$$$

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	25

ROADWAY DESIGN ENGINEER

6/2/99

$$$$$$SYSTIME$$$$$ $$$$$$$$DGN$$$$$$$$$$$$$$$$$ $$$$$USERNAME$$$$

8/17/99

MAP 10

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	26
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NC GRID
NAD 83/2001

TYPE 1 CURB RAMP
STD 848.06

TYPE 1 CURB RAMP
STD 848.06

5th St
SR 1689

PEDESTRIAN
CROSSWALK
STD
1205.07

BEGIN MAP 10

SEE SHEET 27

TYPE 1 CURB RAMP STD 848.06

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

$$$$$$$SYSTIME$$$$$$
$$$$$$$USERNAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	27
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 10

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

N
NC GRID
NAD 83/2001

TYPE 1 CURB RAMP STD 848.06

TYPE 1 CURB RAMP STD 848.06

TYPE 1 CURB RAMP STD 848.06

5th St
SR 1689

SEE PAGE 26

SEE PAGE 28

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$SYSTIME$$$$$$
$$$$$$$USERNAME$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	28
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MAP 10

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

NC GRID
NAD 83/2001

TYPE 1 CURB RAMP STD 848.06

TYPE 1 CURB RAMP STD 848.06

5th St
SR 1689

SEE SHEET 27

SEE SHEET 29

PEDESTRIAN CROSSWALK STD 1205.07

TYPE 2A CURB RAMP STD 848.06

TYPE 2A CURB RAMP STD 848.06

PROPOSED DTO STD 848.02

PROPOSED SIDEWALK ALONG WITH CURB & GUTTER STD 846.01 STD 848.01

25' 0' 25' 50' 75' 100'

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	29
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND ASPHALT TO FACILITATE INSTALLATION OF THE NEW CURB RAMPS. SIDEWALK TO BE REMOVED AND REPLACED AS NEEDED TO ACCOMADATE NEW CURB RAMPS

NOTE: CONTRACTOR TO PROTECT ALL STORM DRAIN INLETS AND OUTLETS DURING CONSTRUCTION

MAP 10

N
NC GRID
NAD 83/2001

TYPE 1 CURB RAMP STD 848.06

TYPE 1 CURB RAMP STD 848.06

SEE PAGE 28

SEE PAGE 30

5th St
SR 1689

PROPOSED SIDEWALK
ALONG WITH CURB
& GUTTER
STD 846.01
STD 848.01

TYPE 1 CURB RAMP
STD 848.06

25′ 0′ 25′ 50′ 75′ 100′

GRAPHIC SCALE

$$$$$$$$SYSTIME$$$$$$
$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$$$$$DGNNAME$$$$$$$$$$$$$$$$

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
44910.3.5	30
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

$$$$$SYSTIME$$$$
$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$